

MIN-MAX TIME STAMP THERMOMETER

FEATURES

- Dual channel measurement
- Minimum and maximum reading memories with real time and date stamp
- low / high alarm limit setting
- Flashing light alarm indicator
- °C / °F exchange
- Time and date display
- Low battery indication
- Flip out desk stand
- Magnetic attachment
- Replaceable sensor in bottle



SPECIFICATION

Measuring range	-50 ~ 70°C / -58 ~ 158°F
Display accuracy	±1°C
Display resolution	0.1°
Display reading update	10 seconds
Alarm limit setting resolution	1°
Time accuracy	±3 seconds per day
Time display format	Default 24 hours, 12 hours format also available upon request
Date display format	Default date/month/year, month/date/year also available upon request
Effective calendar period	2000 ~ 2099
Battery	1.5 volt, type AAA or equivalent x2 pieces
Probe cord length	1,000 mm
Display size	90(W) x 16(H) mm
Product size	135(W) x 45(H) x 23(D) mm
Bottle size and volume	Φ20 X H41mm & 5ml
Accessories	1.5 volt, type AAA battery x2 pieces

INSTALLATION

1. Open battery cover.
2. Install batteries with correct polarity positioning.
3. Close battery cover.
4. Fully extend the probe wires.
5. a) Place bottle probe in inside fridge or freezer.
b) If not using glycol bottles, place sensors away from wall of fridge or freezer.
6. Peel off display protective sheet.

OPERATION

SELECT TEMPERATURE UNIT

Slide the °C/°F switch on the back to select temperature unit.

TIME AND DATE DISPLAY

Press [Time/Date] to switch the display to show the current time or date.
In date display mode, the display will automatically switch back to time display if there is operation idle for 10 seconds

TIME SETTING

1. In time display mode, press and hold [Set] for about 3 seconds to enter time setting and the HR digits will be flashing.
2. Press [▲] to adjust the digits to current hour.
3. Press [Set] once to confirm hour setting and then start minute setting; the MIN digits will be flashing.
4. Press [▲] to adjust the digits to current minute.
5. Press [Set] once to confirm minute setting and then start second setting; the SEC digits will be flashing.
6. Press [▲] to adjust the digits to current second.
7. Press [Set] again to finish time setting and return to normal display.

DATE SETTING

1. In date display mode, press and hold [Set] for about 3 seconds to enter date setting and the Year digits will be flashing.
2. Press [▲] to adjust the digits to the last two digits of current year.
3. Press [Set] once to confirm year setting and then start month setting; the Month digits will be flashing.
4. Press [▲] to adjust the digits to current month.
5. Press [Set] once to confirm month setting and then start date setting; the Date digits will be flashing.
6. Press [▲] to adjust the digits to current date.
7. Press [Set] again to finish date setting and return to normal display.

MINIMUM / MAXIMUM READING MEMORY

1. Press [Mode] once to display the minimum measured reading and the time display will show when this minimum reading is recorded.
2. Press [Time/Date] will show the date for the minimum measured reading.
3. Press [Mode] once to display the maximum measured reading and the time display will show when this maximum reading is recorded.
4. Press [Time/Date] will show the date for the maximum measured reading.
5. Press [Mode] three times to return to normal display.
6. To clear the minimum and maximum reading memories, press [Clear] once during displaying the minimum or maximum reading. All readings of both channels and time stamps will be reset to current readings and time.
7. Clear the memory once before taking new minimum or maximum reading.

LOW / HIGH ALARM SETTING

1. Press [Mode] three times to enter low / high alarm setting and the LO icon will be on.
2. Press and hold [Set] for about 3 seconds and the LO digits will be flashing.
3. Press [▲] to input the desired low limit.
4. Press [Set] to confirm low alarm limit and start high alarm limit setting. The HI icon will be on and the digits will be flashing.
5. Press [▲] to input the desired high limit.
6. Press [Set] to confirm high alarm limit and finish the setting.
7. The alarm will sound when the reading is lower or higher than the alarm limit. Press any button will stop the alarm sound but the HI or LOW icon will still flash until the reading is within the limits.

ALARM ON/OFF

Press [▲] to switch alarm limit off or on.

ALARM INDICATOR

When the reading exceeds the alarm limit the red light will be on and continue flashing to indicate that an alarm has been triggered. Press and hold [Clear] for about 3 seconds will cancel the flashing red light.

SWITCH CHANNEL DISPLAY

Press [S1/S2] once to switch the display for channel S1 or S2 reading.

NOTE

1. Do not operate the thermometer in the environmental temperature lower than 0°C / 32°F or higher than 50°C / 122°F otherwise incorrect readings or damage to the thermometer may result.
2. If the thermometer is not in use for a long period of time then remove the batteries from battery compartment to avoid battery leakage.

ERROR SYMBOLS

Symbol	Description	Action required
[X]	Low battery voltage	Replace the batteries
LLL	1) Sensor open circuit 2) The reading is out of low range (-50°C)	1) Return the thermometer for repair 2) Keep the measurement above low Range
HHH	1) Sensor short circuit 2) The reading is out of high range (70°C)	1) Return the thermometer for repair 2) Keep the measurement below high range